

SAR1 SERIES

ORDER CODE

SAR1-1C-12-15

15: 15A

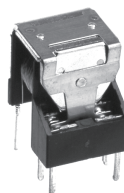
COIL VOLTAGE

05: DC 5V
06: DC 6V
09: DC 9V
12: DC 12V
15: DC 15V
18: DC 18V
24: DC 24V

1C: 1c
1A: 1a
2C: 2c
2A: 2a

TYPE

SAR: Open-Frame
SAR1: Sealed



Main Features

- Open type or flux free type all available.
- PCB terminal available.
- Single contact and double contacts type offer switching capacity by 15amps in small size for exclusive automobile control relay switching box use.
- Application: Car alarm system, Automatic door locking, Automatic car windows control ect...

COIL RATING (at 20°C)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)($\pm 10\%$)	POWER CONSUMPT - ION(W)	NOMINAL CURRENT (mA)($\pm 10\%$)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
5V	27 Ω	0.93W (about)	185mA	70% MAX.	5% MIN.	150%
6V	40 Ω		150mA			
9V	97 Ω		93mA			
12V	155 Ω		77mA			
15V	255 Ω		59mA			
18V	380 Ω		47mA			
24V	660 Ω		36mA			

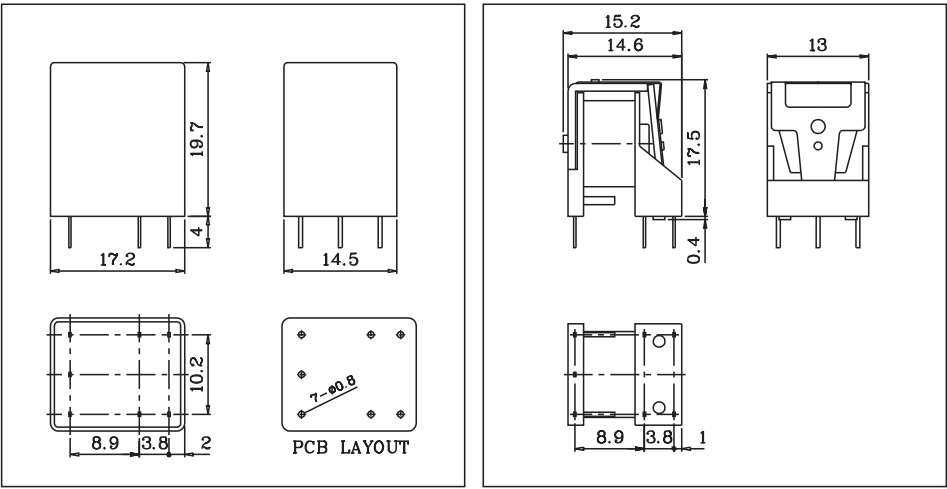
PERFORMANCE (at initial value)

Item	Type	15A (total)
Contact Resistance		100m Ω Max. (initial value)
Operate Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength between coil & contact between contact		AC500V (min) AC1000V (1min)
Insulation Resistance		100M Ω Min.(DC500V)
Operating Ambient Temperature		-25°C ~ +80°C
Humidity		45 to 85% RH
Vibration Resistance		10G (10~55Hz)(Dual amplitude:1.5mm)
Shock Resistance		10G
Life Expectancy Mechanically Electrically		10,000,000 ops. Min.(1800 ops./h) 100,000 ops. Min.(1200 ops./h)
Weight		5.5g(about)

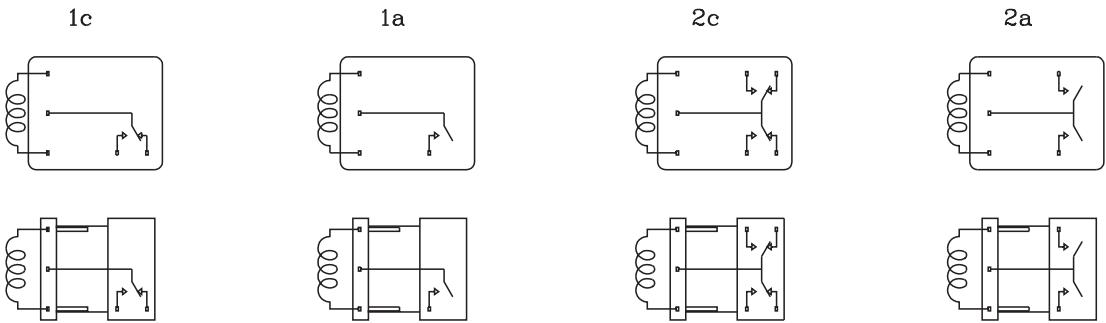
CONTACT RATING

Item \ Type	15A(total)
Rated Carrying Current	AC120V 15A DC12V 15A
Max. Allowable Current	20A
Max. Allowable Voltage	AC 120V DC 28V
Max. Current (continual)	15A
Contact Material	Ag alloy

DIMENSIONS(Unit: mm)



WIRING DIAGRAMS(Bottom View)



REFERENCE DATA

